

PRICE BID

NAME OF WORK : MAJOR STRUCTURAL REPAIR AND RENOVATION WORK OF BUILDING NO.-C-01 SBI COLONY, NERUL.

Sr.No.	Description of the item	Unit	Quantity	Rate	Amount
I. ENABLING SYSTEM:					
1	BREAKING OF RCC:- Breaking of existing RCC at any location in the premises of any thickness by breaker machine or manually at all levels, including scaffolding, jute kantan, safety net, cleaning of exposed surface including cleaning the site and carting away the debris outside the building compound upto the municipal dump with required municipal permission & all lead and lift complete as per the direction of Consulting Engineer / in-charge.	Cum	7.00	2492.00	17444.00
2	DEMOLISHING OF RCC HORIZONTAL FINS/TIE BEAMS:- Demolishing R.C.C. Horizontal Fins/Tie Beams after segregation from main structure by mechanical means and stockpiling at designated locations of dismantled materials, stacking serviceable and unserviceable material separately rates includes scaffolding, jute kantan, safety net, cutting reinforcement bars, cleaning the site and carting away the same outside the building compound upto the municipal dump with required municipal permission & all lead and lift complete as per the direction of Consulting Engineer / in-charge.	Cum	240.00	3280.00	787200.00
			TOTAL	Rs. 804,644.00	
II. STRUCTURAL & CIVIL REPAIRING WORKS :					
1	STRUCTURAL POLYMER REPAIR (UPTO 30 mm THICKNESS) :- Removing carefully the old loose/damaged concrete on RCC columns, beams, Slab at all level including cleaning the site and carting away the same outside the building compound upto the municipal dump with required municipal permission & all lead and lift, scaffolding, jute kantan, safety net etc. complete as per the direction of Consulting Engineer / in-charge. Applying Polymer Treatment as per the following process on indentified location. 1) Rust Remover Removing loose rust from the reinforcement bars by wire brushing, light hammering etc. and applying sulphate and chloride free inorganic single component rust remover Rusticide as approved by Engineer incharge conforming to IS 9077. The rusted surface shall become blackish nonrusted colour. After 24 hours of application of rust remover, loose particles shall be removed by brush. Apply one more coat of Rusticide exposed reinforcement bars. 2) R.I. Coat Providing and applying Rust Inhibition Coat / system to exposed rebars & also new rebars complete. 3) Bond coat Providing and applying raw Polymer Bond Coat / system in ratio 1:1 Cement : Polymer to all exposed concrete surface and rebars prior to polymer treatment complete. 4) P.M.M. Providing and applying by handpack only, polymer modified mortar must be forced tightly into the substrate to ensure complete contact with the substrate. (If scaffolding is required, same shall be provided) Polymer modified mortar in ratio 1:5:15 (1 part by weight of polymer: 5 parts by weight of cement: 15 parts by weight of Quartz sand (50:50 Mideum and smaller size) up to 30 mm thickness (The Polymer Modified Mortar(PMM) should attain min. compressive strength of 20 N/mm2 in 1 day and 30 N/mm2 in 7 days) all complete as per the direction of Consulting Engineer / in-charge. All the mixing should be done in mixing tray only and as per the weight ratio given of PMM. also mixed material to be used within 1 hour time. Note:- No Saperate payment for Internal area Scaffolding Should be made for this item.	Sqm	2000.00	1700.00	3400000.00
2	SHEAR CONNECTOR: Make 10/12 mm Dia holes using heavy duty electrically operated hammer drills in the concrete of RCC members to a depth of about 75 mm at 500 mm c/c or at suitable grid in zig-zag fashion, clean the holes using air jet and fix pre-fabricated 100 x 50 mm L-shape 8mm Dia rebar using Anti Corrosive protective coating so that 75 mm out of 100 mm is inserted inside the concrete and 25 mm remain outside along with 50 mm bend. The shear connectors are used to tie the additional reinforcement bars with 'Fischer / Hilti' system and chemical, etc. complete. Steel to be paid separately etc. complete as per the direction of Consulting Engineer / in-charge.	Nos	700.00	561.00	392700.00

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3	MICRO CONCRETE: Providing encasement to columns / beams /Pardi etc., with free flow high strength non-shrink micro concrete M - 35 using single cement micro concrete shrinkage components 10mm downgraded metal in 20% by weight shall be used. The water cement ratio should be maintained as per manufacturer's specifications to achieve dense solid mass. The Micro concrete shall be poured properly in slurry tight prefixed holding boards' formwork, fixed properly in line, level and in the required size/shape and well-oiled etc. The air bubbles, if any shall be removed by tapping the boards and removing the same after 24 hours, curing the micro-concrete thoroughly for 14 Days etc. complete. The rate shall be inclusive of shuttering, strutting, curing etc. complete. (Excluding cost reinforcement) etc. complete as per the direction of Consulting Engineer / in-charge.	Cum	12.00	121664.00	1459968.00
4	Carbon Fiber Wrapping System: Strengthening structural elements by providing & fixing CARBON FIBER of 430 GSM (Make Sika or BASF or FOSROC) at structural members including : Surface Preparation: Grinding / moulding concrete substrate, cleaning it with wire brush, removing oil, laitance if present, rounding sharp edges to min 25 mm radius etc., complete. Profiling: Applying PRIMER on prepared substrate, filling holes and uneven surface with PUTTY etc., complete. Wrapping: Wrapping the Carbon fibre wrap to structural element at desired orientation using tamping roller to avoid any air voids etc., Repeat the same procedure for multiple layer with interval of 8 hours. Sand Pasting: Applying saturant, rectify air voids if any, paste the river sand on it to make surface rough to take any further finishes. (Mode of Measurement: Per Sq.Mt of Fiber application of Finished surface area. Rates are inclusive of Providing and fixing of SHEAR ANCHOR FOR CARBON FIBER at the specified locations as per Engineer In charge.)	Sqm	310.00	7500.00	2325000.00
5	GROUTING NIPPLE: Providing, drilling and fixing Nipples for pressure injection grouting of polymer cement grout etc. complete	Nos	500.00	279.00	139500.00
6	INJECTION GROUTING:- Providing & injecting high performance non shrink, Anti washout Polymer Cement Grout per pack of 225gm as per manufacturer's specifications into honeycombing area / porous concrete with suitable pump at pressure of 2.0 Kg/Cm2 and subsequently cutting /removal of nozzles and sealing of holes with grout etc., complete.	Kg	100.00	221.00	22100.00
7	EPOXY GROUTING: Providing and injecting High molecular weight Super low viscous (3 to 5 cps) 0.56 Kg./Cm2 Epoxy thermosett Resin Monopol (Krishna Conchem or equivalent) for Slab/Beam/Column in appropriate proportion as per manufacturer's specifications into cracks/ honeycomb area of concrete including drilling of holes minimum 50 mm in concrete, fixing nipples, injecting grout by suitable gun/pump at pressure of 1.0 to 2.0 Kg./Cm2 and subsequent cutting/removal of the nipple and sealing of the hole and groove after completion of grouting with cement/epoxy mortar as directed by the Engineer in-charge etc. complete. (Note for micro cracks)	kg	100.00	1550.00	155000.00
8	M-25 CONCRETE : Providing and laying Cast in-situ/ Ready Mix cement concrete in M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. pardi of required thickness including steel centering, formwork, coverblocks, laying/ pumping, compacting and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Panmixer) etc. complete. With fine aggregate (Crushedsand VSI Grade).	Cum	7.50	14821.00	111157.50
9	NEW REINFORCEMENT STEEL: Providing, fabricating, welding & fixing steel reinforcement (Fe500) in existing damaged reinforcement in RCC as required Dia of approved brand i.e. TATA/SAIL or equivalent. For column, beams & slab. Etc. including transporting the same to site, cutting, bending, tying at all heights and in all positions, providing concrete covers as required at any height etc. Rates to include MS/TS dowel pins /staple/shear pins including drilling holes in concrete and providing labour and materials for fixing the pins etc. Complete as per the direction of Consulting Engineer / in-charge.	Metric Tonne	1.00	98842.80	98842.80
			TOTAL	Rs.8,104,268.30	
III.CIVIL REPAIR & GENERAL WORKS:					

Sr.No.	Description of the item	Unit	Quantity	Rate	Amount
1	EXTERNAL SAND FACE PLASTER: Breaking of plaster by breaker machine or manually of any thickness and at all levels, & Removing all debris, spalls, including cleaning the site and carting away the debris outside the building compound upto the municipal dump with required municipal permission & all lead and lift, cleaning of exposed surface Providing and applying sand face plaster externally in two coats (including Dash Coat plaster in C:M. 1:4 upto required thickness to concrete or brick surface in all positions including racking out joints, curing etc. complete.) using approved screened Gujarat river sand in all positions, including providing base coat of 15 mm thick in cement mortar 1:4 mixing approved water proofing compound at the rate of 1 kg./ 50 kg. of cement and curing the same for not less than two days and keeping the surface of base coat rough to receive the sand faced treatment 8 mm thick in cement mortar 1:4 and finishing the surface by taking out grains and curing including preparing the surface, watering, scaffolding, jute kantan, safety net etc. complete as per the direction of Consulting Engineer / in-charge.	Sqm	4560.00	1000.00	4560000.00
2	SEPERATION JOINT FILLING : Providing & sealing separation cracks between RCC and brick work by cutting groove on both sides crack along the length by electrically operated groove cutter Breaking / removing plaster & loose mortar (up to 75mm depth) in the area between two grooves by chiseling. Washing by drinking water to make it dust free surface. Hammering 10 to 20mm size aggregates in the crack as directed by the consultant. Sealing the crack with polymer modified cementations Mortar 9 Up to 50mm depth in two layers all Complete as per the direction of Consulting Engineer / in-charge.	Rmt	1595.00	315.00	502425.00
3	PVC MESH : Providing and fixing PVC mesh of 22 gauge, with about 30 cm. width at the junction of R.C.C members and brick work, of approved quality including fixing mesh in position by necessary drilling in concrete /B.B.masonry and or tying by binding wire etc. complete.	Sqm	480.00	135.00	64800.00
4	INTERNAL PLASTER: Breaking of plaster by breaker machine or manually of any thickness and at all levels, including cleaning the site and carting away the same outside the building compound upto the municipal dump with required municipal permission & all lead and lift. cleaning of exposed surface and Providing internal cement plaster in smooth finish up to 15 mm. thick in Single coats in cement mortar 1:4 with Gujrat Sand to concrete, brick surface, in all positions including scaffolding, jute kantan, safety net and curing etc. complete.	Sqm	3100.00	588.00	1822800.00
5	NEW R.C.C. JALI:- Removing existing Precast RCC Jali at all level including cleaning of site, removal & carting of debris out of compound upto the designated Municipal Dumping yard with all lead & lift and Providing precast cement concrete Jali 50mm thick of Nominal Mix 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia mild steel wire including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete excluding plastering of the jambs, sills and soffits including scaffolding, jute kantan, safety net etc. complete as per the direction of Consulting Engineer / in-charge.	Sqm	230.00	1700.00	391000.00
6	BRICK MASONARY WORKS:- Breaking of Damaged Nrick wall OR bricks from other areas including cleaning the site and carting away the debris outside the building compound upto the municipal dump with required municipal permission & all lead and lift. Providing second class Burnt Brick masonry with conventional / I.S. type bricks in cement mortar 1:4 including scaffolding, racking out joints and watering etc. complete as directed by Engineer In-charge.	Cum	4.50	8426.00	37917.00
7	FERRO CEMENT CHAJJA: Providing and fixing New constructed Ferro cement Chajja above 75mm height at window level with M.S. Flat 65mm x 6mm thickness on support of anchor fastener 12mm x 100mm size then fixing on horizontal surface 6mm reinforcement @ 200mm c/c then fixing G.I. weld mesh jail 100 mm x 100 mm x 10 gage & PVC chicken mess. filling of cement mortar @ 1:3 with mixing of bonding agent @ 20% by cement weight and complete top surface Chajja waterproofing & round vatta including all drill, shuttering & required support etc complete as per approved designee & technical specification or as per the direction of Consulting Engineer / in-charge.	Sqm	26.00	5000.00	130000.00
8	PLINTH PROTECTION: Removing the damaged PCC, etc from the Building periphery at junctions of Building & Ground including cleaning the surface & carting away the debris out side the building compound at the location designated by the Municipal corporation with all lift & lead. Providing and laying cement concrete of 100 mm thick & 750 mm Wide in plinth area of the building with M20 cement concrete laid to proper level and slope in alternate bays including preparation of surface, leveling, compaction, filling joints, etc ,finishing smooth (with extra cement) and curing etc. completeas directed by engineer in-charge.	Sqm	125.00	1550.00	193750.00

Sr.No.	Description of the item	Unit	Quantity	Rate	Amount
9	WELD MESH ON RCC JALI:- Providing and fixing SS wire mosquito mesh including M.S Flat frame of size 35 mm x5 mm in position with oil painting 3 coats etc. complete	Sqm	153.00	2000.00	306000.00
10	M.S. FRAMING FOR FIXING OF DISC ANTENA:- Providing and Fixing MS framing for provision of Disc Antena finxing of weighing 25 kg / sqm including fabrication using M.S.square / round bar, flats and angles, Pipes, Base Plate including fixing the same with anchor bolt, filling the holes with epoxy material, painting with one coat of red oxide zinc chromate primer and two OR more coats of synthetic enamel paint of approved colour and brand etc complete as directed.	Kgs	500.00	150.00	75000.00
11	NEW MS Door FOR TERRACE ENTRANCE:- Removing existing door with frame, carting away dismantled material out of building compound to disignated municipal dumping yard and Providing, detailing, and fabricating, transporting to site and erecting MS Openable Entrance Gates including Framing, locking arrangement, fixing bolts, nuts, washers, cleats, stiffeners, gussets decorative balusters, arrow heads etc. and all necessary operations like straightening, bending, cutting, drilling, grinding, machining if specified, welding etc. complete weighing 25 to 30 kg/Sqm, including cleaning, Grinding and removing the welding burr and preparing surface and applying one coat of red oxide zinc chromate primer and one coat of Synthetic Enamel paint after fabrication and second coat OR as required of Synthetic Enamel paint after erection, with approved colour, shade and brand etc. including touching up with primer etc. complete as directed by Engineer In Charge.	Sqm	4.00	4670.00	18680.00
12	REMOVING & REFIXING OF ENTRANCE M.S. GRILL DOOR:- Removing and refixing existing Grill Safety door with frames, making good to the shutters, frames with with necessary fixtures and materials,labour, hinges, etc and applying 3 coats of Syn. Ena. paint. etc. Complete as directed by Engineer In Charge.	Nos	2.00	2395.00	4790.00
13	MIRROR POLISHING OF STONE FLOORING/TREADS & RISERS:- Providing Mirror polishing to Kota Stone flooring, treads & riser including using all necessary stones and equipments cleaning, washing etc. complete as directed by Engineer In Charge.	Sqm	150.00	156.45	23467.50
14	FIXING OF TREADS & MID-LANDING FLOORING:- Removing the damaged treads OR Flooring from the staircase area, cleaning the surface & carting away the debris out side the building compound at the location designated by the Municipal corporation with all lift & lead. Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm thick for treads,mid-landing flooring & skirting of steps and staircases, with rounded nosing for the treads on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete as directed by Engineer In Charge.	Sqm	23.00	1650.60	37963.80
			TOTAL	Rs.8,168,593.30	
IV. WATERPROOFING WORKS :					
1	TERRACE, WATER TANK & HEAD ROOM WATERPROOFING: Carefully removing the Existing waterproofing layer upto slab level from Terrace, Water Tank & Headroom of the Building, cleaning the surface for making free from loose particles & carting away the debris out side the building compound at the location designated by the Municipal corporation with all lift & lead and Providing & laying integral cement based waterproofing treatment to Terrace, Watertank, Overhead room Top upto 112 mm thickness including preparation of surface as required for treatment of roof, balconies, terraces etc. consisting of following operations: A) Cleaning the surface & making free from looses particles, filling the cracks on slab, applying waterproof chemical in two coats on the terrace slab as per the specifications of Manufacturer B) Laying brickbat coba using old broken brick/brick bats 25mm to 100 mm size with cement mortar upto 50% 1:5 (1cement: 5 coarse sand) admixed with proprietary waterproofing compound conforming to IS: 2645 over 20mm thick layer of cement mortar mix 1:5 (1 cement 5 coarse sand) admixed with proprietary waterproofing compound conforming to IS:2645 to required slope and treating similarly the adjoining walls upto 300mm height including rounding of junction of walls and slabs. C) After two days of proper curing Providing & laying IPS in C.M 1:4 i/c roughening the surface to receive China Mosaic D) P/L china mosaic in CM 1:4 all complete i/c ponding the entire terrace for 07 days etc. complete as per the direction of Consulting Engineer / in-charge. (Mode of measurement- Area in plan will be measured and watta will not be paid seperately) Guarantee against leakproofness for 10 years on stamp paper of Rs. 100/-	Sqm	455.00	2000.00	910000.00

Sr.No.	Description of the item	Unit	Quantity	Rate	Amount
2	CHAJJA WATERPROOFING: Removing the Existing waterproofing layer upto slab level of chhaja top, cleaning the surface for making free from loose particles & carting away the debris out side the building compound at the location designated by the Municipal corporation with all lift & lead and providing & laying Waterproofing Treatment to chhajja Top upto required thickness including preparation of surface as required, waterproofing procedure consisting of following operations: A) Cleaning the surface & making free from looses particles, filling the cracks on slab, applying waterproof chemical in two coats on the terrace slab as per the specifications of Manufacturer B) Laying brickbat coba using old broken brick/brick bats 25mm to 100 mm size with cement mortar upto 50% 1:5 (1cement: 5 coarse sand) admixed with proprietary waterproofing compound conforming to IS: 2645 over 20mm thick layer of cement mortar mix 1:5 (1 cement 5 coarse sand) admixed with proprietary waterproofing compound conforming to IS:2645 to required slope and treating similarly the adjoining walls upto 300mm height including rounding of junction of walls and slabs. C) After two days of proper curing Providing & laying IPS in C.M 1:4 i/c marking lines to give appearance of tiles of 30cm x30cm or other size laid diagonally/square, ponding the entire area for 07 days etc. complete as per the direction of Consulting Engineer / in-charge. (Guarantee against leakproofness for 3 years on stamp paper of Rs. 100/-)	Sqm	125.00	2100.00	262500.00
3	COPING ON PARAPET TOP : Removing the existing coping from parapet top, cleaning the surface, Lowering & carting away the debris to the designated municipal dumping yard with all lifts & leads. Providing and casting in situ M20 grade of trap metal for coping to head walls/parapet including centering, Shuttering, formwork, compaction and curing etc.complete. (with reversible drum type mixer/concrete batch mix plant (pan mixer) with SCADA with fine aggregates of required specifications (VSI sand finely washed etc)	Cum	7.00	9720.00	68040.00
4	H.D.P. CONTAINER ONE PIECE MOULDED WATER TANK: Providing and fixing H.D.P container one piece moulded water tank made out of low density polythylar and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres (02 Tnks of 2000 & 02 Tanks of 5000 Ltrs Each)	Ltrs	14000.00	11.55	161700.00
			TOTAL		Rs.1,402,240.00
V. PLUMBING WORKS :					
1	PROVIDING AND FIXING PVC PIPE :- Removing Existing Plumbing Lines, carting away dismantled material out side the building compound and Providing & fixing new PVC pipes with G. I. Bracket and U bolt of approved brand, Sealing the joints with lead with all fittings and Nails, cutting holes in walls, required scaffolding, etc. complete as per the Direction Of Consulting Engineer / In-Charge.				
a	100mm W/C LINE PVC: Providing and fixing 110mm dia stabiliser pipe/P.V.C.soil vent/waste pipe and with necessary fixtures and fitting such as bends,tees,single junctions,slottedvent,clamps etc.complete.	Rmt	70.00	827.40	57918.00
b	100mm RAIN WATER LINE PVC: Providing and fixing P.V.C. Rain waterpipes of 100mm outer diameter andhaving wall thickness of 2.2 to 2.7 mconfirming to I.S. 13592-1992 includingproper rainwater receiving recess withP.V.C. plug, bend, necessary fittings,such as, offsets, shoes, including fixingthe pipe on wall using approved woodencleats projecting 25mm to 40mm fromface of wall a fixing with clips ofapproved quality and number ,filing thejoint using rubber gasket with solventcement and properly resting the shoe ofpipes on C.C. or masonry blocks,including necessary scaffolding andmaintenance for 3 yrs for any leakagesor dislocations of pipes. All the P.V.C.fittings and additional 2 piece socketclips shall be got approved fromengineer in charge etc. complete.	Rmt	70.00	900.00	63000.00
c	75mm VENT LINE PVC: Providing and fixing 75 mm dia stabiliserpipe/ P.V.C. soil vent/waste pipe andwith necessary fixtures and fitting suchas bends, tees, single junctions, slottedvent, clamps etc. complete	Rmt	70.00	637.35	44614.50
d	75mm BATH LINE PVC: Providing, laying and fixing P.V.C. pipe of75mm dia. with fittings such as bends,tees, reducers, clamps, etc. includingnecessary excavation, trench filling etc.complete. Including removing existingpipe line if necessary and conveying and stacking the same as directed etc. complete.	Rmt	140.00	637.35	89229.00
2	PROVIDING AND FIXING CPVC LINE:- Removing Existing GI/PVC Pipes, carting away dismantled material out side the building compound and Providing & fixing the new CPVC pipes with G. I. Bracket and U bolt of approved brand with all temporary line & necessary fittings to terrace loop line and also down take lines, filling the joints with chemical with required scaffolding, etc. complete as per the direction of Consulting Engineer / in-charge.				

Sr.No.	Description of the item	Unit	Quantity	Rate	Amount
a	25mm DIA CPVC PIPE: Providing and fixing on walls/ ceiling/floor 25 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.	Rmt	385.00	444.15	170997.75
b	20mm DIA CPVC PIPE: Providing and fixing on walls/ceiling/floor 20 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same as directed etc. complete.	Rmt	50.00	326.55	16327.50
d	40mm Dia CPVC PIPE: Providing, laying and fixing C.P.V.C. pipe of 40mm dia. with fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same as directed etc. complete.	Rmt	130.00	616.35	80125.50
e	50mm Dia CPVC PIPE: Providing and laying in trenches 50mm dia. CPVC pipe including necessary excavation, fittings. Refilling trenches etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same as directed etc. complete.	Rmt	55.00	822.15	45218.25
3	GATE VALVE 40mm : Providing and fixing gun metal gate valve with C.I. wheel of approved brand of 40 mm nominal bore complete Or as directed, etc.	Nos	10.00	1691.00	16910.00
4	GATE VALVE 50mm : Providing and fixing screw down for 50mm dia. wheeled stop tap of brass including necessary sockets/ union nut complete.	Nos	4.00	2268.00	9072.00
5	GATE VALVE 25mm : Providing and fixing gun metal gate valve with C.I. wheel of approved brand of 25 mm nominal bore complete Or as directed, etc.	Nos	60.00	824.25	49455.00
6	WALL PIECE: Providing and fixing new Wall Piece of required sizes with all necessary fittings after removing the existing lines, filling the joints, providing PVC sleeves on top, cutting holes in external walls, filling the same, etc complete as per the direction of Consulting Engineer / in-charge.	Nos	60.00	350.00	21000.00
			TOTAL	Rs.663,867.50	
VI. PAINTING WORKS :					
1	EXTERNAL TEXTURE PAINT: Thoroughly cleaning all external wall surfaces, removing all fungus / plantation, Removing old caulk from the plaster surface, making the surface clean and dry. Pre wetting of wall surfaces. Mixing the product with clean water thoroughly with an electrical mixer for 3-5 minutes until the desired homogeneous paste is achieved so as to ensure that the mixture is free from lumps before use. Applying average thickness of 1.5 to 2mm of the homogeneous paste thus prepared on the plastered surface with a steel trowel so as to have the desired texture finish. If necessary, a second layer may be applied. All this works to be carried out in accordance with the manufacturer's specs including all cost for labour, material, scaffolding, etc and as per the Direction Of Consulting Engineer / In-Charge.	Sqm	4560.00	300.00	1368000.00
2	PAINT EXTERNAL AREA (ELASTOMERIC BASED) Providing and applying one coat base coat then apply Primer and two OR More coat of Elastomeric Paint of approved brand of Asian Paints, ICI Dulux, and Berger Paints including all cost for labour, material, scaffolding, etc Completes as per the direction of Consulting Engineer / in-charge. Note: - It should carry minimum 10 years warranty given by the manufactures on their letter head.	Sqm	7260.00	295.00	2141700.00
3	OIL PAINT ON OLD/NEW STEEL: Removing old paint from steel and other metal surfaces and making the surfaces, rust & dust free with hand scrapping by polish paper, etc than Providing and applying first single coat of approved primer and two coats OR more coats of synthetic enamel paint/flat oil paint of an approved make and colour as per manufacturers specifications to the steel surfaces at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge.	Sqm	420.00	170.00	71400.00
			TOTAL	Rs.3,581,100.00	
VII. INTERNAL RENOVATION WORKS :					

Sr.No.	Description of the item	Unit	Quantity	Rate	Amount
1	WC/BATH WATERPROOFING:- Removing the Existing waterproofing layer upto sunken portion of Kitchen/WC/Bath area, cleaning the surface for making free from loose particles & carting away the debris out side the building compound at the location designated by the Municipal corporation with all lift & lead. Providing waterproofing in W.C. and bath including brickbat coba in all position after filling the brickbats of light weight siporex type bricks, thereafter, providing and laying 12mm bedding in cement mortar 1:3 on concrete slab with waterproofing compound@1Kilogram/perbag of cement laying brickbat coba of required thickness in cm 1:5 with waterproofing compound 1 Kilogram/bag of cement grouting and finishing the top layer with 20 mm thick brick bedding in cm mortar 1:3 with waterproofing compound 1 Kilogram/per bag of cement and testing the treated portion for 48hours by pond test and covering ten years'guarantee on requisite stamp paper including curing etc. complete.	Cum	25.00	18417.25	460431.25
2	WATERPROOF BEDDING IN WC/BATH:- Providing water proof bedding for flooring of Bath and WC 25 mm thick in C.M. 1:3 including using approved waterproofing compound in specified proportion as per manufacturers specifications for per bag of cement including leveling, curing etc. complete.	Sqm	125.00	451.50	56437.50
3	WATERPROOF PLASTER:- Providing waterproof plaster in W.C. and bath 20mm thick for dado in cement mortar 1:3 with Gujrat Sand with neat finishing, floating using waterproofing compound at the rate of 1Kilogram. per bag of cement of approved make and manufacturer and curing (and filling joints of Nahani trap and any outlet by properly) etc. complete.	Sqm	385.00	556.50	214252.50
4	ANTI-SKID FLOORING TILES:- Removing of Existing flooring/Wall/dado/Skirting tiles including bedding OR backing of plaster, cleaning the surface, carting away the debris at designated municipal dumping yard, Providing and laying Anti skid Ceramic tiles of approved quality of size 300 x 300 mm for anti skid flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with cement slurry cleaning curing etc. complete. (Basic Rate of Ceramic Antiskid Flooring Tiles 30 x 30 cm = 425.00 Per Sqm)	Sqm	130.00	1260.00	163800.00
5	WALL/DADO TILES:- Removing of Existing flooring/Wall/dado/Skirting tiles including bedding OR backing of plaster, cleaning the surface, carting away the debris at designated municipal dumping yard, Providing and laying vitrified stone effect finish tiles having size 300 x 600 mm . and confirming to corresponding I.S. for dado and skirting in required position with ready made adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete. (Basic Rate of Ceramic Tiles for dado 30 x 60 cm = 450.00 Per Sqm)	Sqm	605.00	1388.00	839740.00
6	FLOORING TILES:- Removing of Existing flooring/Wall/dado/Skirting tiles including bedding OR backing of plaster, cleaning the surface, carting away the debris at designated municipal dumping yard, Providing and laying vitrified stone effect finish tiles having size 590 to 605mm x 590 to 605 mm of 10 mm thickness of approved make, shade and pattern for dado and skirting in required position fixed in 1:4 cement mortar including required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and cleaning etc. complete. (Basic Rate of Vitrified tiles Glossy Size 590 to 605 mm* 590 to 605 mm*8 to 10mm = 850.00 Per Sqm)	Sqm	1600.00	2007.00	3211200.00
7	WC/BATH DOORS:- Removing the existing doors/Windows with frame, stacking the serviceable material & carting away unserviceable material out side building compound upto designated municipal yard, providing and fixing Factory made 31mm ABS Plastic Door made of abs plastic moulded sheet of 1.5 mm thickness P.U. foam insulated of density 40 kg per cubic meter with seasoned wood to fit lock and hardware covered with aluminium 'A' section of 31mm x 27mm x27mm x 1.5mm thick powder coated and fitted with PVC 'L' Corner of dimension 75mm x75mm x 10mm thick on all four sides including all labour, material, stainless steel fixtures and fastening etc complete	Sqm	106.00	3923.66	415907.96
8	DOOR & LOUVERS FRAME:- Removing the existing doors/Louver Windows with frame, stacking the serviceable material & carting away unserviceable material out side building compound upto designated municipal yard, Providing and fixing machine cut machine polished 18 mm to 20 mm thick telephone black / Amba White / Cat bary brown / RBI red / Ocean Brown granite stone for treads and risers of steps and staircases of approved colour and shade with full moulding and three grooved line for the treads on bed of 1:4 Cement mortar including float filling joints with neat cement slurry curing polishing and cleaning etc. complete. (Basic Rate of Telephone Black Granite = 1750.00 Per Sqm)	Sqm	115.00	4380.60	503769.00
9	LOUVERS WINDOWS:- Providing and fixing in position powder coated aluminium louvered windows/ventilator of various sizes with powder coating with provision of exhaust fan including aluminium frames 80x38mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete.	Sqm	7.10	3755.00	26660.50

Sr.No.	Description of the item	Unit	Quantity	Rate	Amount
10	EUROPEAN TYPE WC PAN:- Removing existing WC/Urinal/Basin carting away the debris at designated municipal dump, Providing and fixing European type white glazed earthenware water closet pan with UPVC seat and lid with chromium plated brass hinges and rubber buffers including UPVC and vent pipe up to the outside face of wall 10 litre enameled low level flushing cistern with fittings pipe stop tap brackets for fixing cistern 32 mm dia. UPVC flush pipe with fittings and clamps ,20 mm dia. UPVC overflow pipe ,mosquito proof couplings G.I. chain and pulley,with water Jet and fitting including cutting and making good to the walls and floors testing etc. complete.	Nos	20.00	17844.00	356880.00
11	WASH BASIN: Removing existing WC/Urinal/Basin carting away the debris at designated municipal dump, Providing and fixing wall hung white wash basin of size 550 x 400 x 195 mm with pillar cock having flow rate up to 6.0 Litr/Minute,C.P.Angular stop cock long thread of Jaquar/Cera/Hindware /Perryware or equivalent make, including SS bottal trap of approved make etc complete as directed by Engineer in charge.	Nos	20.00	6575.00	131500.00
12	KITCHEN PLATFORM:- Removing existing Platform carting away the debris at designated municipal dump, Providing and constructing raised platform of 600 mm wide and 600 to 750mm high using minimum 40mm thick polished kadappa stone slab base & shelf below platform with partition of min. 300mm finished with minimum 15mm thk. polished Ruby red / jet black / Hasan green Granite slab at top including cut out for SS sink of approved size and facia with round edges,supported by both side polished minimum 40mm thk. and 600mm wide on top & both side verticles, including polished facia of min. 100mm height allround the platform with chamfered/rounded at the top edges, jointing in approved adhesives, machine cutting, leveling, smooth cement plastering along the sides to match the existing surface & Platform in cement mortar, filling the joints with pigment mixed with cement, cleaning, finishing, curing etc complete as directed by Engineer In Charge.	Sqm	52.00	10342.65	537817.80
13	NEW SHUTTERS BELOW KITCHEN PLATFORM & BOX STORAGE:- Removing the existing shutters with frame, stacking the serviceable material & carting away unserviceable material out side building compound upto designated municipal yard,Providing and fixing anodized (anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodising must be scaleted by keeping the anodized section in boiling deanodized water for a period of one hour) aluminum fixed/ sliding / pivoted / top hung / side hung / louvered type windows, doors, ventilators, door shutters and partitions conforming to IS:1948, 1961 with hollow bottom section & standard single / two / three / four track frame section all round (top, bottom and sides) with shutter frame made up of standard handle section standard interlocking section and standard top and bottom section with infill panel of 4 mm thick Hardener Laminated sheet (Bakelite composite panel) with nylon guides, gliders glass fixing PVC weather strips, neoprene gasket, PVC weep holes etc complete with approved type of locking arrangement, handles and other fixtures including fixing, filling the gaps with silicon sealant, cleaning polishing the aluminium section with petrol and / or other agents as specified by the manufacturers etc. complete as directed by Engineer In Charge.	Sqm	135.00	1822.00	245970.00
14	KITCHEN SINK:- Providing and fixing Stainless Steel A ISI 304 (18/8) Kitchen sink of 610x460 mm bowl depth 200 mm as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required	Nos	20.00	7860.00	157200.00
15	SINK COCK:- Providing and fixing sink cock with regular swinging spout (Wall Mounted Model) with wall flange with approved make including other necessary fitting, etc. complete as directed by Engineer in charge.	Sqm	20.00	2252.25	45045.00
16	FIXING SHOWER WITH WALL MIXER :- Providing and fixing wall mixer with overhead shower,shower arm,hand shower with wall bracket having flow rate up to 12 liters/minutes of Jaquar/Cera/Hindware /Perryware or equivalent make including all necessary pipes,fittings etc.complete as directed by Engineer In Charge.(Make shall conform to manufacturer's Green product and shall got approved from the Engineer In Charge.)	Nos	20.00	5759.25	115185.00
17	TWO WAY BIB COCK:- Providing and fixing C.P. a 2-Way BIB cock with wall flange of approved make including necessary sockets/ union nut etc. complete as directed by Engineer in charge.	Nos	60.00	1531.00	91860.00
18	STOP COCK:- Providing and fixing C.P.Angular stop clock with wall flange of approved make continental including necessary sockets/union nut etc. complete.	Nos	40.00	2815.00	112600.00
19	BALL VALVE FOR WATER PURIFIER:- Providing and fixing ball valve (brass) of 40mm, High or low pressure, with plastic floats of approved make including necessary sockets/union nut and tested as per municipal requirements etc. complete.	Nos	20.00	1210.00	24200.00
20	NHANI TRAP:- Providing and fixing 10cm C.I. Nahani Trap including C.I. grating bend and piece of C.I. pipe upto the outside face of the wall complete.	Nos	80.00	1127.00	90160.00
21	SOAP DISH:- Providing and fixing C.P.soap dish (polyurethane) jaquar make continental (Cat. No. AQN 7733)	Nos	40.00	977.00	39080.00

Sr.No.	Description of the item	Unit	Quantity	Rate	Amount
22	GRANITE STONE CORNER RACK QUARTER ROUND IN BATHROOM:- Providing and fixing 300mm x 300mm size machine cut one side mirror polished 18 mm to 20 mm thick granite stone Corner Rack in Bathroom area with full moulding the edges with all required labour, material, etc. complete.	Nos	20.00	750.00	15000.00
23	JET SPRAY:- Providing and fixing 15 mm diameter PVC Aqua kraft type of approved make super jet spray with flange 2 in 1 faucet 1.50 metre long including all accessories etc complete.	Nos	20.00	770.00	15400.00
24	MIRRORS:- Providing and fixing 450mm x 550mm size superior type Belgium mirror with 16mm dia. nickel plated towel rod etc. complete.	Nos	20.00	861.00	17220.00
26	CURTAIN RODS :- Providing and fixing in position Curtain rod of aluminium powder coated circular tubular section including the fixing sockets on both sides., complete as per directions and approval of Engineer-in-charge.	Rmt	235.00	633.00	148755.00
25	REMOVING & REFIXING DOORS & WINDOWS:- Removing and refixing existing door or window with frames and shutters, making good the to the existing surface OR damaged brick work and shutters, frames with with necessary fixtures and materials,labour, hinges, etc and applying 3 coats of Syn. Ena. paint. etc. Complete as directed by Engineer In Charge.	Nos.	40.00	2395.00	95800.00
26	WINDOW GLASS :- Carefully removing the existing MS Grill and providing & fixing Float glass sheet of nominal thickness 4 mm to the window shutters with required materials, labours, including fixing of removed grill, etc. complete as directed by engineer in-charge.	Sqm	225.00	839.59	188907.75
27	DOOR & WINDOW FITTINGS & FIXTURES:- Providing and fixing required fittings & fixtures in existing doors & windows matching with existing fittings as described below of approved make manufactured:				
a)	SS Tower Bolt 100 to 150mm	Nos.	220.00	100.00	22000.00
b)	SS/Aluminium Door/Window Handle 100 to 150mm	Nos.	180.00	150.00	27000.00
c)	SS Aldrop of 250 to 300mm	Nos.	80.00	204.00	16320.00
d)	Brass hanging type door stopper 150 mm (MCGM SOR-2022-23 Pg.No 272 I.Code MA-BLD-HM-93)	Nos.	80.00	183.00	14640.00
e)	Chromium plated Brass mortice latch and lock with round knob with set of three keys manufactured as per best engineering practice and as per IS:3847- 1992 for doors with necessary materials and labour etc.complete, to ensure smooth operation (Godrej make or equivalent)	Nos.	20.00	1076.00	21520.00
f)	Steel peep hole with chromium plating	Nos.	20.00	125.00	2500.00
g)	SS Door Safey Chain	Nos.	20.00	70.00	1400.00
h)	Aluminium Sliding Latch of 300mm Long & 08mm dia	Nos.	120.00	145.00	17400.00
28	WOODEN SHELF/STORAGE IN KITCHEN:- Providing and supplying Modular Side/Back Credenza made up of 650 x 450 x 300mm. Top made of 25mm Marine ply (IS 710 : 2010), having post formed decorative laminate of 0.8mm on top and FIRE RETARDENT laminate on all sides / surfaces. Sides, Sides in 25mm thk Marine ply (IS 710 : 2010). Adjustable shelf made in 25mm thk Marine ply (IS 710 : 2010) placed on standard shelf pins. Storage Back made of 9mm thick Marine ply (IS 710 : 2010) etc. complete. Sides, Shutters, Bottom, adjustable shelf, finished 2mm thick machine pressed PVC Edge banding of required size etc. Hardware set to include 110 degree opening self- closing box hinges, Counter Sunk screw, S.S.Brush Finished, Handles L' Clips Selves support. Multipurpose lock, Levelling Bolt with inserts etc. complete with Shape SS Brush finished handles,suitable locking provision. Execution of this item should be make as per the instructions of Achitect in Charge. SIZE OF THE STORAGE (650 x 450 x 300mm)	Nos.	20.00	6879.60	137592.00
29	CLOTH HOOK IN BATH AREA:- Providing and fixing Cloth hanging Hook fixed on SS Plate with minimum 06 Hooks in bathroom area with all required fittings, material, labour etc. complete as directed by Engineer-In-Charge.	No.	20.00	350.00	7000.00
30	HOOK/ROPE FOR DRYING OF CLOTH:- Providing & Fixing Hook/Rope for drying of cloths etc. by fixing integrated non teak seasoned wood frame 1500 x 100 mm horizontally on both side wall with Anchor fastner, fixing of Half round hooks for tying ropes at distance of 300mm and finishing with oil painting 3 coats etc complete.	Nos	40.00	400.00	16000.00
31	INTERNAL FLAT BATH & WC PLUMBING (CPVC PIPES):- Providing and fixing New Plumbing of required sizes with all necessary fittings after removing the existing lines, filling the joints, cutting holes in external walls complete as per the direction of Consulting Engineer / in-charge.				
a)	20mm Dia	Rmt	200.00	311.00	62200.00
b)	25mm Dia	Rmt	300.00	423.00	126900.00
c)	32mm Dia	Rmt	200.00	479.00	95800.00
32	WALL CARE PUTTY ON WALL & CEILING: Providing and applying Two coats of wall care Putty on plastered surface of Ceiling and Walls to prepare surface even and smooth of approved make, etc complete.	Sqm	5530.00	94.00	519820.00
33	INTERNAL PLASTIC PAINT (FLAT AREA): Providing and applying first single coat of approved primer and two OR More coats of acrylic plastic emulsion paint of an approved make and colour as per manufacturers specifications to any surface, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineerin- charge.	Sqm	5530.00	147.00	812910.00

Sr.No.	Description of the item	Unit	Quantity	Rate	Amount
34	ACRYLIC BASED PAINT (STAIRCASE & LOBBY): Providing and applying two OR More coats of exterior acryylic emulsion paint confirming to corresponding I.S. of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface, applying primer coat ,scaffolding if necessary , and watering the surface for two days etc complete.	Sqm	815.00	274.05	223350.75
35	OIL PAINT ON WOOD BASED SURFACES: Providing and applying first single coat of approved primer and two OR More coats of synthetic enamel paint/flat oil paint of an approved make and colour as per manufacturers specifications to wood based surfaces at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge.	Sqm	895.00	172.00	153940.00
36	ALUMINIUM WINDOW: Providing and fixing in position. Aluminium sliding window of three tracks with rectangular pipe having over all dimension as per detailed drawings and as directed by Engineer in charge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5mm thick plain glassand provision of mosquito net with all required screws and nuts etc, complete.	Sqm	QRO	5777.10	0.00
37	VELCRO MOSQUITO NET FOR WINDOWS: Providing and fixing Fiberglass Mosquito Net of 120 GSM for Windows with Self Adhesive Velcro in various sizes for the windows of approved colour & Brand including preparation of surface for foxing of velcro patti, stitching, fixing with all labour, material, transportation at site, etc, complete.	Sqm	265.00	400.00	106000.00
38	Providing and fixing Door Sill Patti with min 20 mm thick and 40 mm wide black granite complete as per direction of Engineer Incharge	Rmt	22.00	920.00	20240.00
39	Providing and fixing weather shed in powder coated GI corrugated /Plain with necessary MS bracket at every top of midlanding level to prevent the rainwater complete the work as per site conditions	Sqmt	12.00	1500.00	18000.00
40	Removing and re-fixing window shutters by replacing the broken wooden member etc complete	Nos.	20.00	2000.00	40000.00
41	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws. (Second class teak wood 35 mm thick)	sqmt	20.00	3817.00	76340.00
42	Providing and fixing single hooks (Aluminium) in toilet	NOS	20.00	200.00	4000.00
43	Providing and fixing superior quality single leaf B.W.P. grade solid core flush 32mm door shutters of standard make conforming to IS:2202- 1991 (Part I & II) including one coat of primer, putty and 2 coats of synthetic enamel paint on both faces etc. with 12 mm thk teak wood lipping all around all around incl. Hinges, aldrop & standard door hardware, etc. complete	Sqmt	20.00	2277.00	45540.00
44	Removing and refixing of existing doors along with necessary repairs, as & where required, in perfect line & level with existing hardwares, new SS hinges if required, cutting of doors, shredding its sides, providing teak wood edge beading patti, etc. to fit into frame with proper locking arrangement, etc. complete.	Nos	20.00	1200.00	24000.00
45	Proving and fixing in position wooden door frame using approved quality seasoned sla or equivalent approve wood made in design, shape and profile size as per existing one. The overall section size of frame sahill be about 125*75 mm with 6 nos aluminium holdfast enched in 1:2:4 cement concrete of approx size 200*200*150mm making arragnement for fixing aldrop tower bolts slip ways in the frame. The frame is finished with two or more coat of french plosh after preparing surface complete. (Mode of Measurement- Along visible inner face of the frame)	Rmt	50.00	2000.00	100000.00
46	Providing and fixing M.S. grills as per approved pattern in frames of windows/Ventilators etc. with M.S. flats, square or round bars etc. including painted with one coat of zinc primer and two coats of synthetic enamel paint of approved colour complete.	Kg	200.00	135.00	27000.00
47	Supplying fabricating and fixing in position M.S pipe ladder of 450mm width x 2100 - 3500 mm height (slope of 30 - 45 degree) at all levels with 50mm dia pipe for sides and 32mm dia pipe for steps at 300mm c/c. The rate shall include for necessary anchoring to the walls , concrete embedding on terrace floor, the ladder will be shop painted with one coat of zinc primer and two coats of synthetic enamel paint of approved colour. Complete as per instructions of Architect/Banks engineer. (Rates are inclusive of carefully removing of existing ladder)	Kg	100.00	140.00	14000.00
			TOTAL		Rs.11,074,192.01
SUMMARY					
I.	ENABLING SYSTEM				Rs.804,644.00
II.	STRUCTURAL & CIVIL REPAIRING WORKS				Rs.8,104,268.30
III.	CIVIL REPAIR WORKS				Rs.8,168,593.30
IV.	WATERPROOFING WORKS				Rs.1,402,240.00
V.	PLUMBING WORKS				Rs.663,867.50
VI.	PAINTING WORKS				Rs.3,581,100.00
VII.	INTERNAL RENOVATION WORKS				Rs.11,074,192.01
TOTAL (WITHOUT GST)					Rs.33,798,905.11
NOTE:					

Sr.No.	Description of the item	Unit	Quantity	Rate	Amount
i	The serviceable and unserviceable materials shall be stacked separately and properly in the designated place and to be stacked/stored at designated till the disposal / reuse of the same. The debris is to be carted outside the premises and disposed off at the Municipal Corporation designated place up to any lead, lift and level at his own cost.				
ii	All the civil work has to be carried with Minumum 53 grade OPC cement and river sand, of required fineness, which must be free from stilt and other impurities				
iii	All the civil work , whether new or repair, must be cured for at least 7 days				
iv	For all work, water to be use must be fresh and pure without any salinity and turbidity.				
v	The rates quoted for all the items of the BOQ shall include the following specifications: -				
a	All the works are to be carried out at all heights and locations i.e. from Ground Floor of the building up to the Over Head Water Tank roof slab or Mummy roof slab, as applicable.				
b	Providing & fixing temporary support arrangements such as Steel Props (Up to any number whenever and wherever as directed by the Architect/Consultant) to support the structure provisionally during repairs and structural works etc. and maintaining the props in position till required & as directed by the consultant including other safety elements such as bracings, steel angles, working platforms, plates etc., which shall be provided & considered in the quoted rates for the areas in the vicinity in adequate numbers as directed. All the civil & structural Repair works indicated hereinunder shall include all leads & lifts & working up to any heights, depths & levels.				
c	The Contractor has to make arrangements at his own cost to tie a approved quality safety net around the work so that loose plaster/ concrete does not cause damage to the property or any human being, if necessary and removing the same after completion of work.				
d	Providing all type of PPE to the workforce such as safety shoes, safety helmets, reflective safety jacket, full body safety harness, goggles, gloves, etc. complete for all types of workforce engaged on site for execution of the work.				
e	Providing and fixing necessary double bamboo scaffolding with vertical support as well as horizontal bracings placed at 1.2 to 1.8 C/C on both inner as well as outer faces, staging, centring, shuttering etc. as required for execution of the job at any height and location including removal of same. The scaffolding should be erected and anchored into the concrete members with help of expandable bolts, which are to be cut as the scaffolding is removed, no wall is to be punctured, at no extra cost to the Bank.				
f	Contractor has to make arrangements at his own cost to cover entire external surface with Hessian cloth curtains so that not cause any damage to the existing near by building and even take care of dust control and also all the windows, glass panes, other openings are to be covered with tin sheets / 6mm plyboards and all the flooring are to be covered with ready protective plastic sheet if required and carefully removing them after completion of work.				
g	Rates shall be inclusive of all enabling works like all safety measures, scaffolding, labour camp, storages, godowns, all required permissions from local governing respective authorities to carry out works, all insurances, all licences, administration, all SHE related measures, security, watch and ward measures, barricades other than specified , traffic management, tree protection, property damage repairs, water, electricity, DG as per requirement, all tools, machineries, vechicles, etc complete.				
h	All rates should be inclusive of all loading, shifting, all leads, lifts, sorting, transportation, labours, tools, plants, machinery, etc. Complete.				
i	All the above-mentioned points including the requisite elements & items as mentioned shall be considered included within the quoted rates of the line items of the BOQ and nothing extra would be paid on this account.				